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NO. 3389 P. 5 Application Serial No. 10/082,101 REPLACEMENT SHEET 102 .103 START 245 250 251 250 250 250 243 3 Fig. 2A white calibration 5 Step 1 [S1(m,n)] 2 3 50 50 56 50 49 50 2 55 50 50 50 3 40 20 50 50 50 Fig. 2B black calibration 4 50 50 50 5 [S2(m,n)] 50 50 48 Step 2-2 3 4 195 200 195 200 201 200 200 203 195 201 calculating differences between 210 55 200 193 (S1(m,n)) and (S2(m,n)) of the 3 Fig. 2C respective pixels 4 205 200 200 ${S3(m,n)} = {S1(m,n)} - {S2(m,n)}$ 5 Step 3 -2 3 4 1.00 1.03 1.00 1.03 1.04 1,00 1.04 2 calculating an average value of Step 4 3 1,08 0.28 1.03 1.00 1.03 Fig. 2D the differnces between [S1(m,n)] and [S2(m.n)] of the respective pixels 4 1.05 1.03 1.03 1.03 [S4(Ave)] 5 Step 5 a pixel having a \$3(m,n) that falls within 80-120% of the \$4(Ave) value a pixel having a \$3(m,n) that is lower than 80% or higher than 120% of the S4(Ave) value $0.8 > {S3(m,n)}/{S4(Ave)}$ $0.8 < {53(m,n)}/{54(Ave)} < 1.2$ 1.2<{S3(m,n)]/{S4(Ave)} a pixel with no defect a defective pixel specifying a coordinate (m.n) of the defective pixel and storing the coordinate in a defective pixel memory

Fig. 2